

**Bachelor of Science in Biology
2014 - 2015 Catalog**

The University of Texas at Brownsville and Texas Southmost College

This document provides a list of the UTB/TSC courses required for the major and their equivalent UTRGV courses.
A significant number of courses have changed their course prefix, number, and title.
For any additional information, please visit the Academic Advising Center.

UTB/TSC Courses

Course Equivalents at UTRGV

GENERAL EDUCATION CORE COURSES REQUIRED FOR THE MAJOR

020 – Mathematics (†)

MATH 1342 Elementary Statistical Methods

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030 – Natural Sciences

CHEM 1411 General Chemistry I

CHEM 1311/1111 General Chemistry I/Lab I

CHEM 1412 General Chemistry II

CHEM 1312/1112 General Chemistry II/Lab II

A – GENERAL EDUCATION CORE – 42 HOURS

42 hours of General Education Core

B – MAJOR REQUIREMENTS – 46 HOURS

1 – Core Courses for the Major – 28 hours

BIOL 1306/1106 Biology for Science Majors I/Lab I

BIOL 1406 General Biology I

BIOL 1307/1107 Biology for Science Majors II/Lab II

BIOL 1407 General Biology II

BIOL 2343/2143 General Biology III/Lab III

BIOL 2343/2143 General Biology III/Lab III

BIOL 3303/3103 Genetics/Lab

BIOL 3413 Genetics

BIOL 3309/3109 Ecology/Lab

BIOL 3409 Ecology

BIOL 3312/3112 Cell and Molecular Biology/Lab

BIOL 3412 Cell Biology

BIOL 4100 Biology Seminar

BIOL 4400 Biological Communication (Capstone)

BIOL 4301 Evolution

BIOL 4301 Evolution

2 – Advanced Biology Electives – 18 hours

18 hours of Advanced Biology (BIOL) Electives

(16 hours must be advanced 3000, 4000 level)

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C – SUPPORT COURSES – 20 HOURS

CHEM 2423 Organic Chemistry I

CHEM 2323/2123 Organic Chemistry I/Lab I

CHEM 2425 Organic Chemistry II

CHEM 2325/2125 Organic Chemistry II/Lab II

MATH 2413 Calculus I

MATH 2413 Calculus I

Choose one course:

PHYS 1401 College Physics I

PHYS 1401 General Physics I

PHYS 2325/2125 University Physics I/Lab I

PHYS 2425 Physics for Scientists and Engineers I

Choose one course:

PHYS 1402 College Physics II

PHYS 1402 General Physics II

PHYS 2326/2126 University Physics II/Lab II

PHYS 2426 Physics for Scientists and Engineers II

D – RESTRICTED ELECTIVES – 12 HOURS*

12 hours of Restricted Electives

*Courses must be from subject PSYC or any subject within the College of Science, Math, and Technology.

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(4 hours must be advanced 3000, 4000 level)

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TOTAL CREDIT HOURS FOR GRADUATION – 120

TOTAL ADVANCED HOURS (minimum) – 36

Admission requirements to this program: BIOL-1306/1106, BIOL-1307/1107, CHEM-1411, MATH-2412 (or higher) with "C" or better grade in all these courses and Departmental approval.

Rev. Date: 7/20/15
Publication Date: 3/1/15

† Grade of "C" or better is required for graduation.